



**AGX AIO3030-1500ETH**  
 (1500 mW UHF Reader/Antenna  
 10 cm - 10 m read range\*)

**1 + 3 antennas**

| Product Description  |   | AGX AIO 3030-1500ETH |
|--|---|----------------------|
| <p>The AGX AIO 3030-1500ETH reader is an UHF multi protocol reader for long range applications.</p> <p>With programmable output power in 256 steps from 17dBm to 32dBm, the reader can detect tags up to 10m of distance (depending on antenna and tag dimensions).</p> <p>Due to its form factor, the module is specifically designed to be easily installed for UHF tag programming and reading.</p> <p>The integrated reader antenna enclosure presents a tailor made RFID UHF solution. The robust enclosure (IP67) has been developed for extreme conditions in all kind of environment (e.g. outdoor offshore, healthcare, extremely dirty environment).</p> <p>The professional mounting kit allows mounting in almost all positions (wall and pole) and provides adjustments of vertical and horizontal directions.</p> <p>The AGX AIO3030-1500ETH comes typically with a 1500mW Reader. In conjunction with the antenna the read range (depending on tag and environment) can reach up to 8-10m*. Simple connection via Ethernet.</p> |   |                      |
| <b>Characteristics (enclosure / antenna)</b>   |   |                      |
| Enclosure size   | 305 x 305 x 70 mm (max extern)<br>250 x 250 x 38 mm (max intern)  |                      |
| Antenna size   | 305 x 305 mm (min)<br>450 x 450 mm (max)  |                      |
| Mounting   | Both wall and polemount   |                      |
| Temperature  | -55 ° to +75 °C   |                      |
| Connectors   | CAT 5 und N-Type (RJ45 or 9Sub-D)   |                      |
| Humidity   | 100%  |                      |
| Water tightness  | IEC 529 / IP67  |                      |
| Power dissipation  | 20W max   |                      |
| Housing  | Aluminium / white painted   |                      |
| Weight   | 2,2 kg (without antenna)  |                      |
| <b>Characteristics (500mW UHF Reader)</b>  |   |                      |
| Operating Frequency  | 865.6 ÷ 867.6 MHz (ETSI EN 302 208)   |                      |
| UHF Standards  | ISO 18000-6B, Philips UCODE EPC 1.19, EPC C1G2  |                      |
| Output Power   | SW programmable Max.: 1.5 W (32 dBm) conducted  |                      |
| Number of channels   | 4 channels compliant to ETSI EN 302 208   |                      |
| Frequency tolerance  | ±10 ppm over the entire temperature range   |                      |
| Read range   | Depending on the performance of the transponder, frequency, chip type and the system environment. RadioForce HC1500ETH (50cm - 10m) |                      |
| Communication interface  | TCP/IP over RJ45 (RS232 on request)   |                      |
| Digital I/O  | Five I/O lines 3.3 V out, 5 V tolerant (optional) via additional D9-Sub connector   |                      |
| Power supply   | 15± 5% VDC external power supply  |                      |
| Power consumption  | 1 A @ 15 V (TX/RX mode), - 260 mA @ 15 V (idle mode)  |                      |
| Article No.:   | <b>AGX AIO 3030-1500ETH</b>   |                      |
| <b>Typical Applications</b>  |   |                      |
| Asset & facility management  | Cold chain & vehicle monitoring   |                      |
| Applications with need for autonomous identification   | Identification and back tracing   |                      |
| Bio/Chemistry/Forensic/Pharmacy/Environment  | Healthcare / Hospitals / Clinics  |                      |

**Contact:**

sales@agilox.com  
 www.agilox.com